

Compact Manual Insertion Smart Card Reader With RS-232C Interface

- Lightweight with a small profile
- Lifts smart card onto contacts to reduce wear on the card's contacts
- Data is protected even if the card is inadvertently removed from the reader while active
- Supports transmission protocols T=0 and T=1; also supports EMV
- Model with PC Mounting Adaptor allows installation within 3-1/2" PC floppy drive bay



Ordering Information

Magnetic Tracks Supported (R, R/W)												
1	2	3	Center	JIS II	IC Contact	Interface	PC Mounting Adaptor	Card Lock	Cable	Cover	Color	Part Number
—	—	—	—	—	ISO 7816	RS-232C	No	No	No	No	N/A	V4CF-0J-01V
—	—	—	—	—	ISO 7816	RS-232C	Yes	No	No	No	Ivory	V4IF-0J-01V

■ TYPICAL APPLICATIONS

- Electronic purse
- Vending machines
- Game machines
- Access control
- Pay TV
- Time and attendance control
- Public payphones
- Kiosks

Specifications

Part number		V4CF	V4IF
Recommended card type		ISO7816/1-4	
Operating power supply		5 VDC $\pm$ 5% (including ripple)	
Data transmission		1200, 2400, 4800, 9600, 19200, 38400 bps (automatically set)	
Data mode		Asynchronous mode	
Current consumption		100 mA max.	
Interface connector		7610-5002SC (3M)	
Mounting location		Indoors away from rain, wind, sunlight and dust	Inside PC floppy drive bay
Ambient temperature	Operation	0° to 45°C (32° to 113°F)	
	Storage	-15° to 60°C (5° to 140°F)	
Ambient humidity	Operation	30% to 85% RH	
	Storage	20% to 90% RH	
Durable vibration		10 to 150Hz, half amplitude 0.15 mm (2 G max.)	
Durable shock		20 G	
Dimensions		17 H x 70 W x 90 L mm (2.76 W x 3.54 D x 0.67 H in)	25.4 H x 101 W x 140 L mm (1.00 H x 3.98 W x 5.51 L in)
Weight		Approx. 70 g	Not Available
Service life	IC contact	300,000 times min.	

Engineering Data

■ I/O INFORMATION

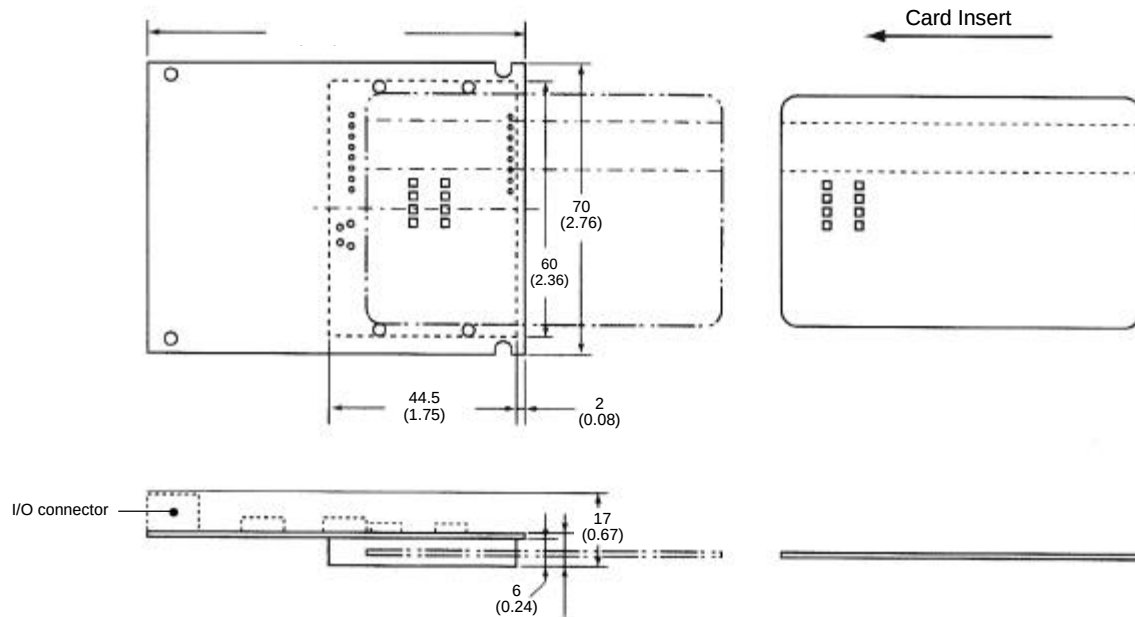
7610-5002SC (3M) interface cable pin location

Pin No.	Signal
1	TXD
2	RXD
3	DTR
4	CTS
5	0V
6	—
7	—
8	+5V
9	0V
10	0V

Dimensions

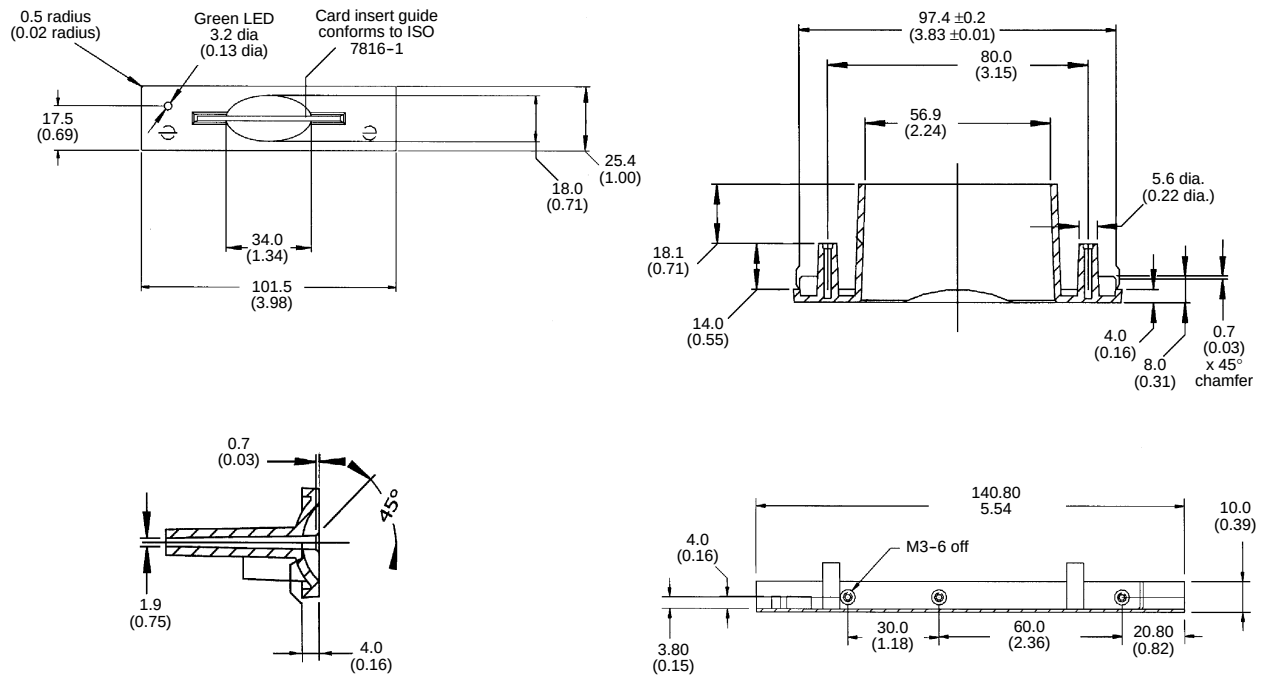
Unit: mm (inch)

■ V4CF-0J-01V



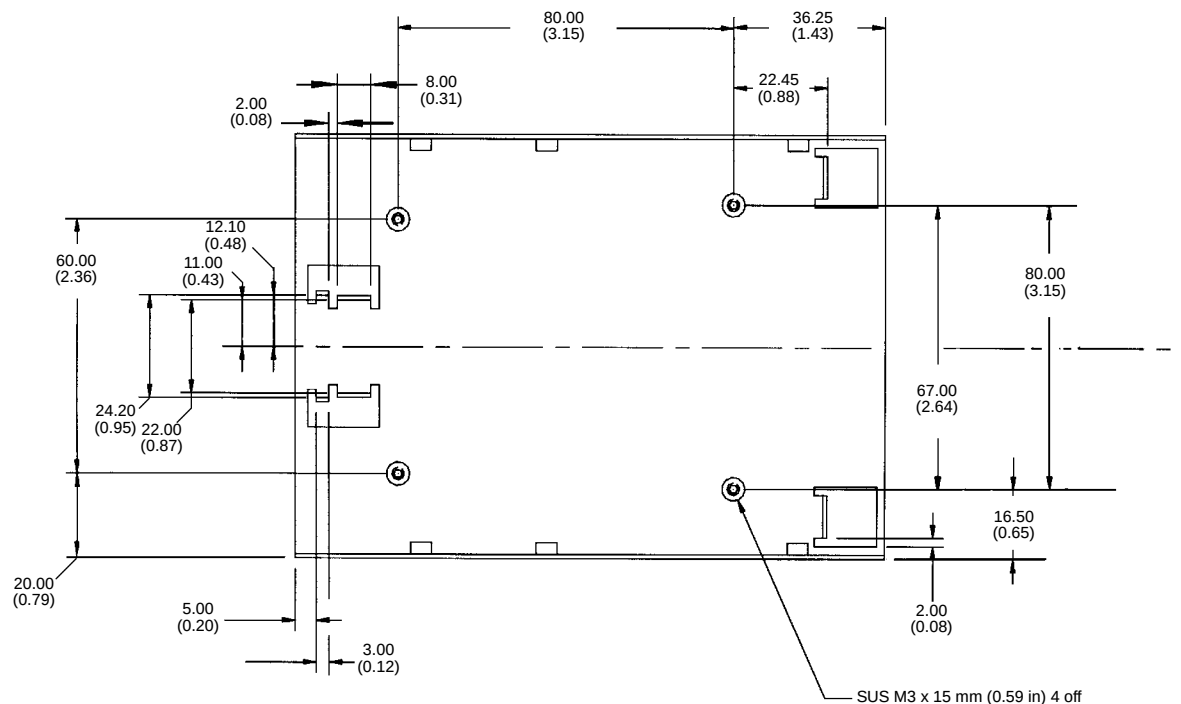
■ V4IF-0J-01V

PC Mounting Adaptor Version (fits inside 3-1/2" PC floppy bay)



■ V4IF-0J-01V

PC Mounting Adaptor cont.



NOTE: DIMENSIONS SHOWN ARE IN MILLIMETERS. To convert millimeters to inches divide by 25.4.

OMRON®

OMRON ELECTRONICS, INC.

One East Commerce Drive
Schaumburg, IL 60173

1-800-55-OMRON

OMRON CANADA, INC.

885 Milner Avenue
Scarborough, Ontario M1B 5V8

416-286-6465